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GELLERSHTEYN, V.I., red.

[Trench method for peat winning in the winter using explosives] Transheinyi sposob vskryshi torfov v zimnii period s primeneniem vzryvchatykh veshchestv. Magadan, Magadanskoe knizhnoe izd-vo, 1964. 21 p. (MIRA 18:3)

BERGER, Ya.M. [translator]; GAVRILOV, V.G., [translator]; MITBREYT, B.A.  
[translator]; MURZAYEV, E.M., red.; RETEYUM, Yu.Ya., red.;  
KLIMENKO, S.V., tekhn.red.

[Physicogeographic zoning of China; a collection of articles.  
Translated from the Chinese] Fiziko-geograficheskoe raionirovanie  
Kitaya; sbornik statei. Predisl. i red. E.M.Murzaeva. Moskva,  
Izd-vo inostr. lit-ry. No.1. 1957. 235 p. (MIRA 11:5)  
(China--Zoning maps)

CHZHAO I-VEN' [Chao I-wên]; GAVRILOV, V.G. [translator]; TUZMUKHAMEDOV,  
R.A., red.; KHAR'KOVSKAYA, L.M., tekhn.red.

[Industry of the new China] Promyshlennost' novogo Kitaya.  
Predisl. G.A.Gonshina. Red.R.A.Tuzmukhamedov. Moskva, Izd-vo  
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(MIRA 13:2)

(China--Industries)

ACC NR: AP6021549	(N)	SOURCE CODE: UR/0402/66/000/003/0373/0373
AUTHOR: Gavrilov, V. I.; Kuborina, L. N.		
ORG: Institute of Virology, Academy of Medical Sciences, SSSR (Institut. virusologii im. D. I. Ivanovskogo AN SSSR, Moscow)		
TITLE: Antigenic study of cells using the method of diffusion precipitation in agar		
SOURCE: Voprosy virusologii, no. 3, 1966, 373		
TOPIC TAGS: antigen, immunity, antigen specificity, CYTOLOGY		
<p>ABSTRACT:</p> <p>Antigenic reactions of KEM-1, PKB-1, NEV, RES, NER-2, and Am-1 cells were studied by diffusion precipitation in agar. In reactions with normal bovine, horse, and rabbit sera, human gamma globulin and a 0.5% solution of lactalbumin hydrolysate with anticellular sera, a precipitation zone did not form. Experimental data indicate that during prolonged cultivation of cells <i>in vitro</i>, many general antigens appear. Complement fixation is of little use in differentiating strains of different origin under these conditions. [W.A. 50; CBE No. 10]</p>		
SUB CODE: 06/ SUBM DATE: none/ "		
Card 1/1		

GAVRILOV, V. I.

"The Variability of the Virus of Influenza A During Passage Through the Organisms of Immunized Mice." Cand Med Sci, Acad Med Sci, USSR, 13 Jan 55. (TM, 4 Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)  
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ZHDANOV, V.M.; GAVRILOV, V.I., MUZHENKOVA, N.P.

Etiology of viral gastroenteritis. Zhur.mikrobiol. epid. i immu.  
no.6:78-85 Je '55. (MLHA 8:9)

*Moscow Observational Antiparasit. Lab.*  
1. Iz Moskovskoy nablyudatel'noi protivochumnyy stantsii Mini-  
sterstva zdavookhraneniya SSSR.

(GASTROENTERITIS, bacteriology,  
viral)

(VIRUS DISEASES,  
gastroenteritis)

CAVRILOV, V.I.

Conference of the Ivanovskii Institute of Virology of the Academy  
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of virus diseases. Vop.virus. 1 no.1:59-60 Ja-V '56. (MLRA 10:1)  
(VIRUSE DISEASES) (EPIDEMIOLOGY)

GAVRILOV, V.I.  
BAROYAN, O.V.; RESHETNIKOV, P.P.; GAVRILOV, V.I.

Apparatus 1-1 for experimentation with aerosols containing bacteria  
or viruses. Vop.virus. 1 no.4:53-56 JI-Ag '56. (MIRA 10:1)

(AEROSOLS,

appar. for aerosol bact. & viral infect. of animals (Rus))  
(MICROBIOLOGY, apparatus and instruments,  
aerosol for bact. & viral infect. of animals (Rus))

COUNTRY : USSR  
AUTHORITY :  
REF. JOUR. : Izvbiol., No. 1259, No. 9911  
AUTHOR : Zhdanov, V. M., Gavrilov, V. L.  
TIT. :  
TITLE : The Enteroviruses  
ORIG. PUB. : Vopr. virusologii, 1958, No 2, 67-73  
ABSTRACT : Review. Bibliography. 44 titles.

Card: 1/1

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GAVRILOV, V.I.

Report by Doctor Skovranek on intradermal vaccination against  
poliomyelitis in the Czechoslovakian Republic. V.I. GavriloV.  
Vop. virus 3 no.2:127 Mr-Ap '58 (MIRA 11:5)  
(CZECHOSLOVAKIA--POLIOMYELITIS)

GAVRILOV, V.I.

Virological investigation of an outbreak of influenza in Orsha.

Vop. virus. 4 no.1:30-37 Ja-F '59.

(MIRA 12:4)

1. Gosudarstvennyy kontrol'nyy institut syvorotok i vaktsin imeni  
Tarasevicha, Moskva.

(INFLUENZA VIRUSES,

Russian strains isolated in 1957 (Rus))

GAVRILOV, V.I.; YAKOVLEVA, L.S.

Dissertations dealing with virus diseases submitted in 1957 for candidate and doctoral degrees. Vop. virus. 4 no.1:116-117 Ja-F '59.  
(BIBLIOGRAPHY--VIRUS DISEASES) (MIRA 12:4)

GAVRILOV, V.I.; SEMENOV, B.V.

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of Research on Preparations to Control Poliomyelitis. Vop.  
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SHUBLADZE, A.K.; GAYDAMOVICH, S.Ya.; GAVRILOV, V.I.

Virological study on laboratory cases of Venezuelan equine  
encephalomyelitis. Vop.virus. 4 no.3:305-310 My-Je '59.  
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1. Institut virusologii imeni D.I.Ivanovskogo AMI SSSR, Moskva.  
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Venezuelan, in laboratory workers (Rus))

GAVRILOV, V.I.

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candidate degrees on problems in virus infections. Vop.  
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(BIBLIOGRAPHY--VIRUS DISEASES)

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kand.med.nauk; SEMENOV, B.F., kand.med.nauk

Enteric viruses and diseases caused by them. Voen.-med.zhur. no.9:  
35-41 S '59. (MIRA 13:1)  
(VIRUS DISEASES)

SEMENOV, B.F.; -GAVRILOV, V.I.

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(VIRUSES)

GAVRILOV, V.I.

Isolation of two lines of transplanted kidney cells of adult sheep.  
Report No. 1: Adaptation to conditions of uninterrupted cultivation in vitro. Vop. virus. 5 no. 1:88-95 Ja-F '60. (MIRA 14:4)

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(TISSUE CULTURE)

AKATOV, A.K.; GAVRILOV, V.I.; SEMENOV, B.F.

Two examples of the use of the statistical method for analyzing  
results of a virological experiment. Vop. virus. 5 no. 1:114-117  
Ja-F '60. (MIRA 14:4)

(STATISTICS, MEDICAL)

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no.3:383 My-Je '60. (MIRA 13:9)  
(POLIOMYELITIS—CONGRESSES)

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No.2: Study of sensitivity to various viruses. Vop. virus 5 no.4:  
416-421 Je-Ag '60. (MIRA 14:1)

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(TISSUE CULTURE) (VIRUSES)

GAVRILOV, V.I.; SHCHEKOCHIKHINA, Ye.A.

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(VIRUSES)

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(NEWCASTLE DISEASE)

GAVRILOV, V.I.; SHCHEKOKHIKHINA, Ye.A.

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GAVRILOV, V.I.; SHCHEKOKHIKHINA, Ye.A.

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Mr-Ap '62. (MIRA 15:5)

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(VIRUSES) (TISSUE CULTURE)

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ROMANENKO, V.F.; GAVRILOV, V.I.

Adaptation of the sheep pox virus to KEM-La tissue cultures.  
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GAVRILOV, V.I.: VASIL'YEVA, N.N.; DODKOV, N.N. ZAIYEVA, R.G.

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Study of the infective and oncogenic activity of the SV<sub>40</sub> virus.  
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ZMIYEVA, R.G.

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Cellular strains obtained from tumors caused by the SV40 virus.  
Biul.eksp.biol. i med. 59 no.5:85-88 '65.

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OBOLENSKIY, K.P.; IL'IN, S.A.; ~~GAVRILOV, V.I.~~; FREYDMAN, S.M.;  
KALASHNIKOVA, V.S., redaktor; LAPIDUS, M.A., redaktor; RAKITINA,  
Ye.D., redaktor; FEDOTOVA, A.F., tekhnicheskij redaktor

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lit-ry, 1956. 423 p. (MIRA 10:1)  
(Collective farms)

~~GAZHILOV, V.I.~~

Prospects for developing field crop cultivation on the "Rossia"  
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(Novo-Aleksandrovskaya District--Field crops)

GAVRILOV, V.I.; LABENETS, V.F.; MASHKEVICH, N.G.; VANYUKOV, S.F.; GREKOV, K.A.

[Model technological charts for growing and harvesting farm crops applicable in working out scientific farming systems and compiling long-range and yearly plans for collective and yearly state farms of Ryazan Province] Primerye tekhnologicheskie karty po vozdel'vaniu i uborke sel'skokhoziaistvennykh kul'tur dlia ispol'zovaniia pri razrabotke nauchno-obosnovannykh sistem vedeniia khoziaistva, sostavleniia perspektivnykh i godovykh planov ego razvitiia v kolkhozakh i sovkhozakh Riazanskoi oblasti. Riazan', 1960. 169 p.

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(Ryazan Province—Agriculture)  
(Ryazan Province—Field crops)

TULUPNIKOV, L.A.; SOLOV'YEV, A.V.; BATOVA, N.T.; GAVRILOV, V.I., kand.  
ekonom.nauk; SHIMKO, N.I.; POLOVENKO, I.S., kand.ekonom.nauk;  
POTAPOV, Kh.Ye., red.; OVCHINNIKOV, N.G., red.; PONOMAREVA, A.A.,  
tekh.n.red.

[Problems pertaining to long-range planning and systems of  
management on collective and state farms] Voprosy perspektivnogo  
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(MIRA 14:3)

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sel'skokhozyaystvennykh nauk imeni V.I.Lenina; direktor Vsesoyuznogo  
nauchno-issledovatel'skogo instituta ekonomiki sel'skogo khozyaystva  
(for Tulupnikov). 3. Zamestitel' direktora Vsesoyuznogo nauchno-  
issledovatel'skogo instituta ekonomiki sel'skogo khozyaystva (for  
Gavrilov). 4. Rukovoditel' otдела Vsesoyuznogo nauchno-issledovatel'-  
skogo instituta ekonomiki sel'skogo khozyaystva (for Polovenko).  
(Collective farms) (State farms)

KARNAUKHOVA, Ye.S., doktor ekonom. nauk, red.; KOZLOV, M.I., kand. ekon. nauk, red.; GAVRILOV, V.I., red.; OBOLENSKIY, K.P., kand. ekon. nauk; ZAVERNYAYEVA, L.V., red.; PONOMAREVA, A.A., tekhn. red.

[Possibilities and ways for increasing labor productivity in the agriculture of the U.S.S.R.] Rezervy i puti povysheniya proizvoditel'nosti truda v sel'skom khoziaistve SSSR; doklady i vystupleniya. Red. kollegiya: E.S.Karnaukhova i dr. Moskva, Ekonomizdat, 1962. 490 p. (MIRA 15:5)

1. Soveshchaniye po voprosam vyavleniya rezervov i putey povysheniya proizvoditel'nosti truda v sotsialisticheskom sel'skom khozyaystve, 1960. 2. Institut ekonomiki Akademii nauk SSSR (for Karnaukhova, Kozlov). 3. Nauchno-issledovatel'skiy ekonomicheskii institut Gosudarstvennogo nauchno-ekonomicheskogo soveta Soveta Ministrov SSSR (for Obolenskiy). (Agriculture)

ABRAMOV, V.A.; RUMYANTSEV, A.F.; CHAYKIN, P.I.; ABATURIN, L.V.;  
GAVRILOV, V.I.; ALTAYSKIY, I.P.; KAMINSKIY, A.Ye.; SUKACH,  
P.V.; VASIL'YEV, V.N.; OBOLENSKIY, K.P.; SAVEL'YEV, Ye.A.;  
MOTOV, S.I.; RUSAKOV, G.K.; IVANOV, F.G.; PISKUNOV, V.,  
red.; POLYAKOVA, N., red.; MUKHIN, Yu., tekhn. red.

[Economics of agricultural enterprises; textbook] Ekonomika  
sel'skokhoziaistvennykh predpriyatii; uchebnoe posobie. Mo-  
skva, Gospolitizdat, 1962. 510 p. (MIRA 15:9)

1. Kommunisticheskaya partiya Sovetskogo Soyuz. Vysshaya  
partiynaya shkola.

(Farm management)

KARNAUKHOVA, Ye.S., doktor ekon. nauk, red.; KOZLOV, M.I., kand. ekon. nauk, red. GAVRILOV, V.I., red.; OBOLENSKIY, K.P., kand. ekon. nauk, red.; ZAVERNYAYEVA, L.V., red.; PONOMAREVA, A.A., tekhn. red.

[Resources and ways for increasing labor productivity in agriculture] Rezervy i puti povysheniia proizvoditel'nosti truda v sel'skom khoziaistve SSSR. Red.koll.: E.S.Karnaukhova i dr. Moskva, Ekonomizdat, 1962. 490 p. (MIRA 16:10)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut ekonomiki sel'skogo khozyaystva. 2. Institut ekonomiki AN SSSR (for Karnaukhova, Kozlov). 3. Nauchno-issledovatel'skiy ekonomicheskoy institut Gosudarstvennogo nauchno-ekonomicheskogo soveta Soveta Ministrov SSSR (for Obolenskiy). (Agriculture--Labor productivity)

ABRAMOV, V.O., nauchn. sotr.; CHAYKIN, O.F., nauchn. sotr.;  
ABATURIN, L.V., nauchn. sotr.; GAVRILOV, V.I. [Havrylov,  
V.I.], nauchn. sotr.; ALTAYSKIY, I.P. [Altais'kyi, I.P.],  
nauchn. sotr.; KAMINSKIY, O.IE. [Kamins'kyi, O.IE.],  
nauchn. sotr.; RUMYANTSEV, O.IE., nauchn. sotr.;  
SUKACH, P.V., nauchn. sotr.; VASIL'YEV, V.M. [Vasyl'iev,  
V.M.], nauchn. sotr.; KOTOV, G.G. [Kotov, H.H.], nauchn.  
sotr.; OBOLENSKIY, K.P. [Obolens'kyi, K.P.], nauchn. sotr.;  
SAVEL'YEV, Ye.O. [Savel'iev, IE.O.], nauchn. sotr.; MOTOV,  
S.I., nauchn. sotr.; RUSAKOV, G.K. [Rusakov, H.K.], nauchn.  
sotr.; YEVDOKIMENKO, V.P. [IEvdokymenko, V.P.], red.;  
SKVIRSKAYA, M.P. [Skvyrs'ka, M.P.], tekhn. red.

[Economics of agricultural enterprises] Ekonomika sil'sko-  
khospodars'kykh pidpriemstv; navchal'nyi posibnyk. Kyiv,  
Derzhpolitvydav URSR, 1963. 469 p. (MIRA 16:10)

1. Kommunisticheskaya partiya Sovetskogo Soyusa. Vysshaya  
partiynaya shkola.

(Agriculture—Economic aspects)

ABRAMOV, V.A.; RUMYANTSEV, A.F.; CHAYKIN, F.I.; ABATURIN, L.V.;  
GAVRILOV, V.I.; ALTAYSKIY, I.P.; KAMINSKIY, A.Ye.;  
SUKACH, A.F.; VASIL'YEV, V.N.; OBOLENSKIY, K.P.;  
SAVEL'YEV, V.A.; RUSAKOV, G.K.; IVANOV, F.G.; POLYAKOVA, N.,  
red.; MUKHIN, Yu., tekhn.red. .

[Economics of agricultural enterprises] Ekonomika sel'sko-  
khoziaistvennykh predpriyatii; uchebnoe posobie. Izd.2.,  
dop. Moskva, Politizdat, 1963. 527 p. (MIRA 17:1)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya  
partiynaya shkola.  
(Agriculture--Economic aspects)

BADIR'YAN, G.G., prof.; VASIL'YEV, N.V., prof.; KOTOV, G.G., prof.,  
RUDAKOVA, Ye.A., prof.; BRAGINSKIY, B.I., doktor ekon.nauk;  
GUMEROV, M.N., dots.; ROMANCHENKO, A.V., doktor ekon. nauk;  
ABRAMOV, V.A., dots.; ALTAYSKIY, I.P., kand. ekon. nauk;  
GAVRILOV, V.I., dots.; RAFIKOV, M.M., kand.ekon. nauk;  
VINOKUR, R.D., dots.; RUSAKOV, G.K., dots.; LAVRENT'YEV,  
V.N., dots.; GORELIK, L.Ya., red.; PONOMAREVA, A.A., tekhn.  
red.

[Economics, organization and planning of agricultural produc-  
tion] Ekonomika, organizatsiia i planirovanie sel'skokho-  
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(MIRA 16:41)

(Agriculture--Economic aspects)

LESHCHENKO, V.M., GAVRILOV, V.I.; ZDOROV, S.F.

Characteristics of the geological structure and exploitation of  
the gas deposit of the third stratum of the calcareate level of  
the Nibel'sk Field. Gaz. prom. 9 no.12:1-4 '64.

(NIPA 18:3)

CARILLOV, V. I.

✓ 4855. Apparatus for investigation of the thermo-  
mechanical properties of polymers. D. L. Tserlin,  
V. I. GAVRILOV, L. A. VELIKOVSKAYA, and V. V.  
KOROTKIN. *Zh. fiz. khim.*, 1964, 38, No. 3, 352-5.  
This apparatus, for continuous operation, consists  
basically of a simple mechanical structure for the  
application of compression or elongation, a heating  
block, and a thermostatic regulator. 33142

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1. INSTITUT ELEMENTORGANICHESKIKH  
SOVEDINENIY AKADEMII NAUK SSSR.

CAVRILOV, V.I.

Some boundary theorems of uniqueness for meromorphic functions.  
Usp. mat. nauk 20 no.6:59-63 N-D '65. (MIRA 18:12)

1. Submitted March 17, 1964.

GAVRILOV, V.I.; SHCHEKOCHIKHINA, Ye.A.

Negative colonies of the type 1-6 Coxsackie virus in KEM-1 and  
NEV transplantable cell cultures. Vop. virus. 9 no.6:714-718  
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1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.

GAVRILOV, V.I.

Holomorphic functions bounded on sequences of points.  
Sib. mat. zhur. 6 no.6:1227-1233 N-D '65.

(MIRA 18:12)

GAVRILOV, V.I. (Moskva)

Distribution of the values of functions which are meromorphic  
in a unit circle and are not normal functions. Mat. sbor. 67  
no.3:408-427 J1 '65. (MIRA 18:9)

GAVRILOV, V.I.

Behavior of a holomorphic function near its essentially singular point.  
Dokl. AN SSSR 162 no.3:491-494 My '65. (MIRA 18:5)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.  
Submitted December 4, 1964.

GAVRILOV, V.I.

Boundary behavior of functions meromorphic within a unit circle.  
Dokl. AN SSSR 151 no.1:19-22 J1 '63. (MIRA 16:9)

1. Predstavleno akademikom I.G.Petrovskim.  
(Functions, Meromorphic)

GAVRILOV, V.I.

Sets of salient boundary values of normal meromorphic functions.  
Dokl. AN SSSR. 141 no.3:525-526 N '61. (MIRA 14:11)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.  
Predstavleno akademikom I.G. Petrovskim.  
(Functions, Meromorphic) (Aggregates)

GAVRILOV, V.I.

Set of limit values of functions pseudoanalytic within a unit circle. Dokl. AN SSSR 148 no.1:16-19 Ja '63.

(MIRA 16:2)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.  
Predstavleno akademikom I.G. Petrovskim.  
(Functions, Analytic)

GAVRILOV, V.I.

A theory of Collingwood and Valiron. Dokl. AN BSSR 4 no. 11:450-  
452 M '60. (MIRA 13:12)

1. Moskovskiy gosudarstvennyy universitet. Predstavleno  
akademikom AN BSSR N.P. Yeruginym.  
(Functions)

GAVRILOV, V. I.

Dissertation defended for the degree of Candidate of Physicomathematical Sciences at the Mathematical Institute imeni V. A. Steklova, 1962:

"Several Problems of Boundary Behavior of Quasi-conformal Reflections."

Vest. Akad. Nauk SSSR. No. 4, Moscow, 1963, pages 119-145

GAVRILOV, V.I.

Boundary behavior of Q-quasiconformal mappings. Sib. mat. zhur.  
2 no.5:650-654 S-O '61. (MIRA 15:3)  
(Conformal mapping)

GAVRILOV, V.I.

Limiting cluster sets by sequences of points of functions  
pseudomeromorphic in the unit circle. Vest. Mosk. un. Ser. 1:  
Mat., mekh 18 no.6:28-33 N-D'63. (MIRA 17:2)

1. Kafedra matematicheskogo analiza Moskovskogo universiteta.

GAVRILOV, V.I.

Limits for continuous curves and sequences of points of normal  
functions meromorphic and generalized meromorphic in a unit  
circle. Part 2. Vest. Mosk. un. Ser. 1: Mat., mekh. 19 no.2:  
30-36 Apr-Apr '64. (MIRA 17:3)

1. Kafedra matematicheskogo analiza Moskovskogo universiteta.

GAVRILOV, V.I.

Sequential and continuous limits of meromorphic and  
pseudomeromorphic functions in the unit circle. Vest. Mosk.  
un. Ser. 1: Mat., mekh. 19 no.1:44-45 Ja-F'64. (MIRA 17:2)

1. Kafedra matematicheskogo analiza Moskovskogo universiteta.

GAVRILOV, V.I.

Ambiguous points of meromorphic functions. Vest. Mosk. un. Ser.  
1: Mat., mekh. 20 no.4:29-34 J1-Ag '65. (MIRA 18:9)

1. Kafedra matematicheskogo analiza Moskovskogo gosudarstvennogo  
universiteta imeni M.V. Lomonosova.

GAVRILOV, V.I.

Boundary behavior of functions meromorphic in a unit circle.  
Vest.Mosk.un.Ser.1: Mat., mekh. 20 no.5:3-10 S-O '65.

(MIRA 18:9)

1. Kafedra matematicheskogo analiza Moskovskogo universiteta.

SLEPCHENKO, Dmitriy Tarasovich [Slipchenko, D.T.]; SIVASHENKO, T.I. [Syvashenko, T.I.], otv. red.; GAVRILOV, V.M. [Havrylov, V.M.], red.;

[Helicopters in the national economy] Vertol'oty v narodnomu hospodarstvi. Kyiv, 1961. 46 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrain's'koi RSR. Ser. 7, no.3)

(MIRA 14:8)

(Ukraine—Helicopters)

FEDOROV, Ivan Ignat'yevich[Fedorov, I.H.], prof.; VORONOV, Yu.Yu., prof.;  
GAVRILOV, V.M. [Havrylov, V.M.], red.; MATVIICHUK, O.A., tekhn.  
red.

[Revivification of the body; scientific methods of dealing with premature death] Ozhyvlennia organizmu; naukovi metody borot'by z peredchasnoiu smertiu. Kyiv, 1961. 39 p. (Tovarystvo dlia poshyrennia politychrykh i naukovykh znan' Ukrain's'koi RSR. Ser.6, no.16)

(MIRA 14:11)

(DEATH, APPARENT) (REGENERATION (BIOLOGY)) (LONGEVITY)

SOV/137-59-1-1814

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 240 (USSR)

AUTHORS: Moskvina, N. I., Shapiro, M. B., Gavrilov, V. M.

TITLE: Bright Quenching of Steel in a 50% Solution of Sodium Hydroxide is Free of Deformation (Svetlaya bezdeformatsionnaya zakalka stali v 50%-nom rastvore yedkogo natra)

PERIODICAL: Sb. statey. Vses. n-i. i konstrukt. in-t khim. mashinostr., 1957, Vol 23, pp 67-75

ABSTRACT: In the process of investigating the quenching hardenability of aqueous NaOH solutions it was established that, compared with other quenching media, the employment of a 50% NaOH solution for quenching of carbon and low-alloy steels ensures a more complete and uniform quenching combined with a lesser degree of deformation and lower susceptibility to cracking. A clean surface is obtained after quenching. During cooling of steel in a 50% NaOH at a temperature of 20°C the rate of cooling in the range of temperatures between 750 and 550° is 700-1400°/sec, whereas in the region of martensite transformations it amounts to 50-100°/sec. In order to stabilize the operation of the alkaline bath, the surface of the solution should be coated with a layer of oil 10-20 mm thick. M. Ch.

Card 1/1

CHIVRILOV, V. M.

PHASE I BOOK EXPLOITATION SOV/5488

Moscow. Vsesoyuznyy nauchno-issledovatel'skiy i konstruktorskiy institut khimicheskogo mashinostroyeniya.

Materialy v khimicheskom mashinostroyenii (Materials in Chemical Machine Building) Moscow, Informatsionno-izdatel'skiy otdel, 1960. 143 p. (Series: Its: Trudy, vyp. 34) 3,000 copies printed.

Sponsoring Agency: Gosudarstvennyy komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniyu and Vsesoyuznyy nauchno-issledovatel'skiy i konstruktorskiy institut khimicheskogo mashinostroyeniya NIIKhIMMASH.

Ed. (Title page): V. K. Fedorov, Candidate of Technical Sciences; Editorial Council: Chairman: V. B. Nikolayev; Deputy Chairman: Yu. M. Vinogradov, Candidate of Technical Sciences; B. N. Borisoglebskiy, A. N. Goncharov, Yu. G. Popandopulo, I. N. Yukalov, Candidate of Technical Sciences, and G. M. Yusova, Candidate of Technical Sciences; Ed.: V. I. Glukhov; Tech. Ed.: P. A. Vshivtsev.

Card 1/5

Materials in Chemical (Cont.)

SOV/5488

**PURPOSE :** This collection of articles is intended for technical personnel in chemical machine building and other branches of the machine and instrument industry.

**COVERAGE:** The collection deals with the results of investigations on the mechanical, corrosive, and engineering qualities of certain alloys. Also discussed are heat-treatment regimes, the phase composition of stainless steels, methods of checking products, and new designs of apparatus used in checking. References accompany each article.

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Gavrilov, V. M. [Engineer], and V. K. Fedorov [Candidate of Technical Sciences]. Crystallization of Alloys in the Elastic-Vibration Field 3

Moskvin, N. I. [Engineer]. Metal Which Will Resist Corrosion in Molten Type Metal Containing Zinc 12

Card 2/5

Materials in Chemical (Cont.)

SOV/5488

Shapiro, M. B. [Engineer], and V. M. Makarov [Engineer]. Induction Hardening of Small-Module Pinions of [Speed] Reducers 26

Chernykh, N. P. [Engineer, Irkutskiy filial NIIKhIMMASHa - Irkutsk branch of NIIKhIMMASH]. Investigation of the Effect of Hydrogen on the Endurance of Certain Steels [Engineers V. D. Molchanova and M. I. Mil' took part in the investigation] 33

Akshentseva, A. P. [Candidate of Technical Sciences], and G. N. Shumratova [Engineer]. Effect of Heat Treatment on the Phase Composition of 1Kh18N9T and Kh18N12M3T Steels [V. N. Dayatlova, P. T. Dmitriyev, B. N. Shevelkin, A. M. Shabanova, Z. K. Ogurtsova, and L. Ye. Lobanova took part in the investigation] 50

Dyatlova, V. N. [Engineer], and Ye. M. Frolikova [Engineer]. Dependence of the Corrosion Resistance of 1Kh18N9T and Kh18N12M3T Steels on the  $\alpha$ -Phase Content 69

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Card 3/5

Materials in Chemical (Cont.)

SOV/5488

Contents in Kh18N12M3T Steel on Their Formability [Engineers A. P. Golovanova, L. L. Kravchenko, V. N. Dyatlova, and Candidate of Technical Sciences A. P. Akshentseva took part in the investigation]

82

Khakhlova, N. V. [Junior Scientific Worker], N. S. Dombrovskaya [Doctor of Chemical Sciences], V. G. Kuznetsov [Doctor of Chemical Sciences], and Ye. M. Zhilina [Engineer]. Chemical Investigation of the  $\alpha$ -Phase Precipitated From 1Kh18N9T Steel [X-ray phase analysis was carried out at the Institute of General and Inorganic Chemistry of the Academy of Sciences of the USSR by V. G. Kuznetsov and Z. V. Popova]

104

Yesilevskiy, V. P. [Engineer], and N. S. Akulov [Academician of the Academy of Sciences of the Belorussian SSR]. Ponderomotive Magnetic Method of Determining the  $\alpha$ -Phase Content in Austenitic Steel [Equipment was manufactured by NIIKhIMMASH; Technician V. M. Malinin participated in working out the electrical circuit for the  $\alpha$ -phasometer]

112

Card 4/5

Materials in Chemical (Cont.)

SOV/5488

Khimchenko, N. V. [Candidate of Technical Sciences], and V. N. Prikhod'ko [Engineer]. Wide-Range Ultrasonic Analyzer for Checking the Structure of Metals [Technicians V. N. Maragayev and N. N. Materanskiy participated in the production of the attachment] 120

Khimchenko, N. V. and V. N. Prikhod'ko. Use of the Wide-Range Ultrasonic Analyzer in Investigating the Structure of Steel and Cast Iron 130

Khimchenko, N. V., V. N. Prikhod'ko, and V. P. Gozak [Engineer]. Checking the Metal Quality of Large Shafts Under Factory Conditions 137

AVAILABLE: Library of Congress

VK/wra/jw  
9-26-61

Card 5/5

36939  
S/136/62/000/004/004/004  
E021/E435

18.12.4

AUTHORS: Pogodin-Alekseyev, G.I., Gavrilov, V.M.,  
Korolev, F.V.

TITLE: The use of low-frequency vibrations in continuous  
casting of beryllium bronze

PERIODICAL: Tsvetnyye metally, no.4, 1962, 69-73

TEXT: Vibrations were used in order to try and eliminate the  
columnar structure in the billets, which makes subsequent  
rolling more difficult. The metal was melted in a high-frequency  
furnace with a graphite crucible of 60 kg capacity. The billets  
produced were up to 400 mm long. Vibrations were produced from  
an eccentric vibrator. The frequency could be varied from  
0 to 100 c/s and the amplitude from 0 to 2 mm. The temperature  
of the molten metal was held at 1050 to 1060°C and that of the  
pouring funnel at 650 to 750°C since freezing occurred in the  
funnel at lower temperatures. With amplitudes of 0.7 to 0.8 mm  
and frequencies of 25, 50 and 75 c/s the vibration arrangement  
worked satisfactorily. With this amplitude drops of liquid metal  
were ejected at 100 c/s; at higher amplitudes ejection occurred  
Card 1/2

The use of low-frequency ...

S/136/62/000/004/004/004  
E021/E435

at lower frequencies. All the macrostructures of the billets were finer after the vibration treatment, the maximum refinement occurring at an amplitude of 1 mm and frequencies of 50 and 75 c/s. With these conditions the columnar structure is completely eliminated. Chemical analysis across the section of the billet showed that inverse segregation was reduced and could be completely eliminated by the vibration treatment and intensive cooling of the billet. The treatment resulted in a decrease in hardness by 2 to 5 units, which is explained by a smaller quantity of  $\beta$ -phase in the treated billets. There are 5 figures and 1 table.

X

Card 2/2

L 05188-07 EWP(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)  
ACC NR: AP6011268 SOURCE CODE: UR/0413/66/000/006/0122/0122  
AUTHORS: Gavrilov, V. M.; Ryzhov, Ye. I. 21  
ORG: none B  
TITLE: Rotary forging machine. Class 49, No. 180063  
SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 122  
TOPIC TAGS: metal forging, forging machinery, metalworking machinery  
ABSTRACT: This Author Certificate presents a rotary forging machine containing a holding device in the form of a cylindrical casing having a slide block within it. For profiling and bending pipe-like products and to automate removal of the finished product, the machine is provided with a built-up matrix mounted on the body of the compressing holder. This matrix is made up of an external spool with an oval opening and an internal solid cylinder (see Fig. 1). The matrix has two mutually perpendicular demounting surfaces. One of these is formed by the internal surface of the spool at the place of its contact with the surface of the cylinder. The other lies in the plane perpendicular to the axis of the spool and cuts this axis symmetrically.  
Card 1/2 UDC: 621.733.548.2.073:62-46

L 05188.67

ACC NR: AP6011268

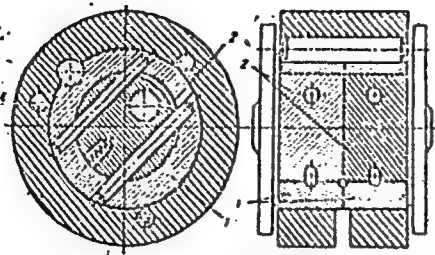


Fig. 1. 1 - external spool of the matrix;  
2 - solid cylinder of the matrix

Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 23Sep64

Card 2/2 vmb

GAVRILIN, V.M.; JABRIN, A.C.; KASHENKO, G.M. 1965. 1.6.

Brief news. Mashinostroitel' no.9:30, 12-11 1965.

(KGBA 18:12)

L 06225-67 EWI(m)/EWP(t)/ETI LJP(c) JD  
 ACC NR: AP6019829 (N) SOURCE CODE: UR/0370/66/000/001/0080/0101

AUTHORS: Pogodin-Alekseyev, G. I. (Moscow); Gavrilov, V. M. (Moscow)

38  
30  
6

ORG: none

TITLE: The effect of elastic vibrations on the crystallization of metals and alloys

SOURCE: AN SSSR. Izvestiya. Metally, no. 1, 1966, 80-101

TOPIC TAGS: metallurgy, metallurgic research, metallurgic conference, elastic oscillation, alloy

ABSTRACT: The authors give a review of the history and current state of the technique for using elastic vibrations as a means of improving the strength and other mechanical properties of metals and alloys. The origin of the elastic vibration technique is traced back to D. K. Chernov (Nauka o metallakh, Metallurgizdat, 1950), who first made use of a vibration technique in the period 1868--1878. The first patented technique is due to Knaifel; however, the practical use of the process began with the work of V. V. Lamontirov and V. I. Tyzhnov (Staleliteynoye proizvodstvo permskogo pushechnogo zavoda. Petrograd, 1915). Practical and applied research gave way to a period devoted to a more theoretical approach for a number of years. A significant advance was the introduction of sonic and ultrasonic vibration techniques. Current knowledge on the effects of elastic vibration are summarized; the following phenomena result from use of the process: 1) a diminishing of the macrograin size

Card 1/2

UDC: 621.74.04

L 06225-67

ACC NR: AP6019829

and a tendency toward the obtaining of a uniform crystalline base; 2) an increase of the degree of uniformity of the structure and a lessening of an extraneous form of liquation; 3) a uniform distribution of admixtures and a reduction of their amounts; 4) a reduction in gas content and improved ingot density; 5) improvement of the microstructure of alloys. Several experimental methods and results are described in an effort to further relate the effect of elastic vibrations on the quality of ingots and the structure of alloys. Among the metals and alloys used in experiments are OTsS-5-5-5 bronze, AL-9, Kh28, OTsS-6-6-3, 1Kh18N9 alloys, and bronzes BrB and BNT. Orig. art. has: 7 figures and 5 tables. 18 18 18

SUB CODE: 11/ SUBM DATE: 19Jul65/ ORIG REF: 026

Card 2/2 LC

PYSHKIN, B.A., redaktor; GAVRILOV, V.N., redaktor; SIVACHENKO, Ye.K.,  
tekhnicheskiiy redaktor.

[Problems on the scientific basis of the construction of the  
Kakhovka water power project] Voprosy nauchnogo obosnovaniia  
stroitel'stva Kakhovskogo gidrouzla. Pod red. B.A.Pyshkina.  
Kiev, Izd-vo Akademii nauk Ukrainaskoi SSR, 1954. 94 p.  
[Microfilm] (MLRA 7:12)

1. Chlen-korrespondent AN USSR (for Pyshkin). 2. Akademiya nauk  
USSR, Kiev. Rada vyvchennia produktyvnykh syl.  
(Hydraulic engineering) (Kakhovka Hydroelectric Power Station)

VAYNSHNEYN, G.M.; GAVRILOV, V.H.

New machines for transporting concrete mixture through pipes.  
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